Multiresidue Screen Analyte List and Reporting Limits, Soil

This is a multiresidue profile that incorporates the following methods:

Halogenated Pesticides in Soil	**EPA 8081B (GC-ECD)**
Organophosphorous Pesticides in Soil	**EPA 8141B (GC-FPD)**
Organonitrogen Pesticides in Soil	**EPA 8270D (GC-MS, SIM mode)**
Miscellaneous Pesticides in Soil	**EPA 8321B (HPLC-MS)**

Organophosphorous and Organosulfur Pesticides

Analyte	Reporting limit	Analyte	Reporting limit
Aspon	0.017 mg/kg (ppm)	Fensulfothion	0.017 mg/kg (ppm)
Azinphos-methyl	0.017 mg/kg (ppm)	Fenthion	0.017 mg/kg (ppm)
Carbofenothion	0.017 mg/kg (ppm)	Malathion	0.017 mg/kg (ppm)
Chlorfenvinphos	0.017 mg/kg (ppm)	Methidathion	0.017 mg/kg (ppm)
Chlorpyrifos	0.017 mg/kg (ppm)	Merphos	0.017 mg/kg (ppm)
Chlorpyrifos-methyl	0.017 mg/kg (ppm)	Mevinphos	0.017 mg/kg (ppm)
Coumaphos	0.017 mg/kg (ppm)	Monocrotophos	0.017 mg/kg (ppm)
Demeton	0.017 mg/kg (ppm)	Parathion	0.017 mg/kg (ppm)
Diazinon	0.017 mg/kg (ppm)	Parathion-methyl	0.017 mg/kg (ppm)
Dichlorofenthion	0.017 mg/kg (ppm)	Phorate	0.017 mg/kg (ppm)
Dichlorvos	0.017 mg/kg (ppm)	Phosmet	0.017 mg/kg (ppm)
Dicrotophos	0.017 mg/kg (ppm)	Phosphamidon	0.017 mg/kg (ppm)
Dimethoate	0.017 mg/kg (ppm)	Pirimiphos-methyl	0.017 mg/kg (ppm)
Disulfoton	0.017 mg/kg (ppm)	Propargite	0.033 mg/kg (ppm)
EPN	0.017 mg/kg (ppm)	Ronnel	0.017 mg/kg (ppm)
Ethion	0.017 mg/kg (ppm)	Sulprofos	0.017 mg/kg (ppm)
Ethoprop	0.017 mg/kg (ppm)	Terbufos	0.017 mg/kg (ppm)
Famphur	0.017 mg/kg (ppm)	Tetrachlorvinphos	0.017 mg/kg (ppm)
Fenamiphos	0.017 mg/kg (ppm)	Tokuthion	0.017 mg/kg (ppm)
Fenitrothion	0.017 mg/kg (ppm)	Tricloronate	0.017 mg/kg (ppm)

Halogenated Pesticides

Analyte	Reporting limit
Acetochlor	0.017 mg/kg (ppm)
Alachlor	0.017 mg/kg (ppm)
Aldrin	0.0067 mg/kg (ppm)
Benfluralin	0.0067 mg/kg (ppm)
Bifenthrin	0.0067 mg/kg (ppm)
α-BHC	0.0067 mg/kg (ppm)
β-BHC	0.0067 mg/kg (ppm)
δ-BHC	0.0067 mg/kg (ppm)
γ-BHC (Lindane)	0.0067 mg/kg (ppm)
Captafol	0.0067 mg/kg (ppm)
Captan	0.017 mg/kg (ppm)
Chlordane	0.033 mg/kg (ppm)
Chlorobenzilate	0.017 mg/kg (ppm)
Chloroneb	0.017 mg/kg (ppm)
Chlorothalonil	0.0067 mg/kg (ppm)
Cyfluthrin	0.033 mg/kg (ppm)
Cyhalothrin	0.033 mg/kg (ppm)
Cypermethrin	0.033 mg/kg (ppm)
p,p'-DDD	0.0067 mg/kg (ppm)
p,p'-DDE	0.0067 mg/kg (ppm)
p,p'-DDT	0.0067 mg/kg (ppm)
Dacthal	0.0067 mg/kg (ppm)
Deltamethrin	0.033 mg/kg (ppm)
Dichlobenil	0.0067 mg/kg (ppm)
Dicloran	0.0067 mg/kg (ppm)
Dicofol	0.017 mg/kg (ppm)
Dieldrin	0.0067 mg/kg (ppm)
Dithiopyr	0.0067 mg/kg (ppm)
Endosulfan I	0.0067 mg/kg (ppm)
Endosulfan II	0.0067 mg/kg (ppm)
Endosulfan sulfate	0.0067 mg/kg (ppm)
Endrin	0.0067 mg/kg (ppm)

Analyte	Reporting limit
Endrin aldehyde	0.0067 mg/kg (ppm)
Endrin ketone	0.0067 mg/kg (ppm)
Esfenvalerate	0.0067 mg/kg (ppm)
Ethalfluralin	0.0067 mg/kg (ppm)
Etridiazole	0.0067 mg/kg (ppm)
Fenarimol	0.0067 mg/kg (ppm)
Fenvalerate	0.0067 mg/kg (ppm)
Flutolanil	0.033 mg/kg (ppm)
Folpet	0.017 mg/kg (ppm)
Heptachlor	0.0067 mg/kg (ppm)
Heptachlor epoxide	0.0067 mg/kg (ppm)
Hexachlorobenzene	0.0067 mg/kg (ppm)
Iprodione	0.0067 mg/kg (ppm)
Methoxychlor	0.0067 mg/kg (ppm)
Metolachlor	0.017 mg/kg (ppm)
Mirex	0.0067 mg/kg (ppm)
Norflurazon	0.0067 mg/kg (ppm)
Ovex	0.0067 mg/kg (ppm)
Oxadiazon	0.0067 mg/kg (ppm)
Oxyfluorfen	0.0067 mg/kg (ppm)
PCNB	0.0067 mg/kg (ppm)
Permethrin	0.033 mg/kg (ppm)
Prodiamine	0.0067 mg/kg (ppm)
Pronamide	0.0067 mg/kg (ppm)
Propachlor	0.017 mg/kg (ppm)
Propanil	0.0067 mg/kg (ppm)
Propiconazole	0.017 mg/kg (ppm)
Terbacil	0.0067 mg/kg (ppm)
Trifloxystrobin	0.0067 mg/kg (ppm)
Triflumazole	0.0067 mg/kg (ppm)
Trifluralin	0.0067 mg/kg (ppm)
Vinclozalin	0.0067 mg/kg (ppm)

Organonitrogen Pesticides

Analyte	Reporting limit	Analyte	Reporting limit
Amitraz	0.033 mg/kg (ppm)	Imidacloprid	0.017 mg/kg (ppm)
Ametryn	0.017 mg/kg (ppm)	Isoxaben	0.017 mg/kg (ppm)
Atrazine	0.017 mg/kg (ppm)	Mefenoxam	0.017 mg/kg (ppm)
Azoxystrobin	0.017 mg/kg (ppm)	Metalaxyl	0.017 mg/kg (ppm)
Bensulide	0.017 mg/kg (ppm)	Metribuzin	0.033 mg/kg (ppm)
Boscalid	0.017 mg/kg (ppm)	Myclobutanil	0.033 mg/kg (ppm)
Bromacil	0.017 mg/kg (ppm)	Oryzalin	0.017 mg/kg (ppm)
Bromopropylate	0.033 mg/kg (ppm)	Pendimethalin	0.0067 mg/kg (ppm)
Carfentrazone-ethyl	0.017 mg/kg (ppm)	Pirimicarb	0.017 mg/kg (ppm)
Clothianidin	0.017 mg/kg (ppm)	Prometon	0.033 mg/kg (ppm)
Cyanazine	0.033 mg/kg (ppm)	Prometryn	0.017 mg/kg (ppm)
Diclofop-methyl	0.033 mg/kg (ppm)	Propazine	0.017 mg/kg (ppm)
Dimethenamid	0.017 mg/kg (ppm)	Pyraclostrobin	0.017 mg/kg (ppm)
Diphenylamine	0.017 mg/kg (ppm)	Pyridaben	0.033 mg/kg (ppm)
Ethofumesate	0.017 mg/kg (ppm)	Pyrimethanil	0.017 mg/kg (ppm)
Fenbuconazole	0.033 mg/kg (ppm)	Sethoxydim	0.17 mg/kg (ppm)
Fenoxaprop-ethyl	0.033 mg/kg (ppm)	Simazine	0.033 mg/kg (ppm)
Fipronil	0.033 mg/kg (ppm)	Simetryn	0.017 mg/kg (ppm)
Fluazifop-P-butyl	0.033 mg/kg (ppm)	Sulfentrazone	0.017 mg/kg (ppm)
Fludioxonil	0.033 mg/kg (ppm)	Tebuconazole	0.033 mg/kg (ppm)
Flumioxazin	0.017 mg/kg (ppm)	Tebuthiuron	0.033 mg/kg (ppm)
Fluometuron	0.017 mg/kg (ppm)	Thiabendazole	0.017 mg/kg (ppm)
Fluoxypyr-meptyl	0.017 mg/kg (ppm)	Triadimefon	0.033 mg/kg (ppm)
Hexazinone	0.017 mg/kg (ppm)		

Phenylurea Herbicides

Chlorpropham	0.017 mg/kg (ppm)	Monuron	0.017 mg/kg (ppm)
Diuron	0.017 mg/kg (ppm)	Neburon	0.017 mg/kg (ppm)
DCPMU	0.017 mg/kg (ppm)	Propham	0.017 mg/kg (ppm)
Fenuron	0.017 mg/kg (ppm)	Siduron	0.017 mg/kg (ppm)
Linuron	0.017 mg/kg (ppm)		

Carbamate Pesticides

Aldicarb	0.017 mg/kg (ppm)	3-Hydroxycarbofuran	0.017 mg/kg (ppm)
Aldicarb sulfone	0.017 mg/kg (ppm)	Methiocarb	0.017 mg/kg (ppm)
Aldicarb sulfoxide	0.017 mg/kg (ppm)	Methomyl	0.017 mg/kg (ppm)
Bendiocarb	0.017 mg/kg (ppm)	Oxamyl	0.017 mg/kg (ppm)
Carbaryl	0.017 mg/kg (ppm)	Propoxur	0.017 mg/kg (ppm)
Carbofuran	0.017 mg/kg (ppm)	Thiobencarb	0.017 mg/kg (ppm)
Fenobucarb	0.017 mg/kg (ppm)		